

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062726.D
 Acq On : 17 Jun 2019 15:02
 Operator : VA/AP
 Sample : K3154-03
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-B

Quant Time: Jun 18 06:23:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	923873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1259849	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1069483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	552321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	366673	27.50	ug/l	0.00
Spiked Amount			Recovery	=	55.00%	
35) Dibromofluoromethane	6.92	113	382906	28.82	ug/l	0.00
Spiked Amount			Recovery	=	57.64%	
50) Toluene-d8	10.41	98	777043	27.80	ug/l	0.00
Spiked Amount			Recovery	=	55.60%	
62) 4-Bromofluorobenzene	13.56	95	363515	27.88	ug/l	0.00
Spiked Amount			Recovery	=	55.76%	

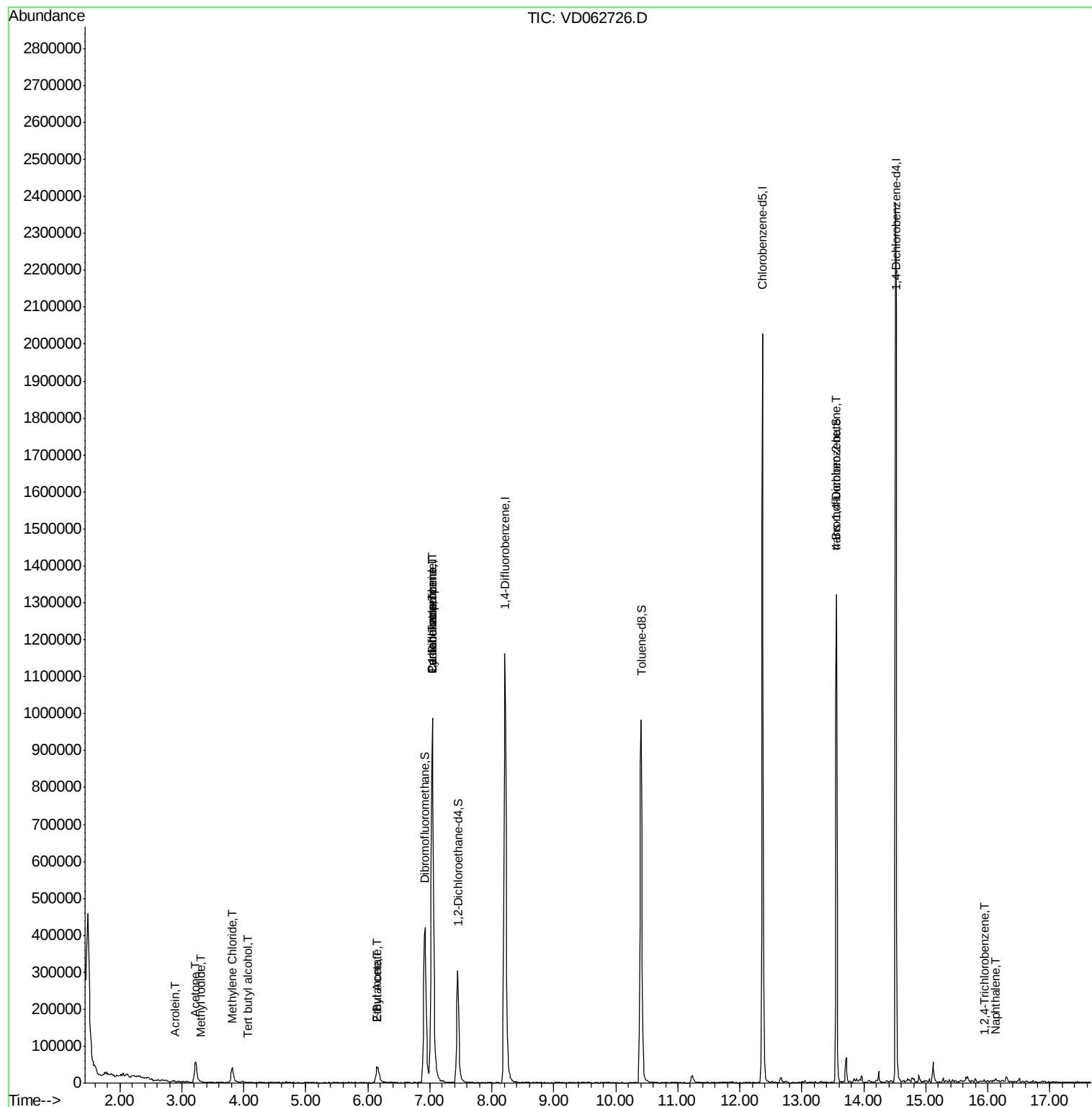
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	180	Below Cal	#	42
10) Methyl Iodide	3.31	142	290	4.025	ug/l #	89
11) Tert butyl alcohol	4.07	59	781	1.425	ug/l #	61
13) Acrolein	2.88	56	360	2.042	ug/l #	12
16) Acetone	3.21	43	123061	50.410	ug/l	96
20) Methylene Chloride	3.81	84	25380	2.331	ug/l #	88
25) 2-Butanone	6.14	43	2866	1.203	ug/l #	61
31) Cyclohexane	7.04	56	22530	2.141	ug/l #	21
36) 1,1-Dichloropropene	7.04	75	68992	4.785	ug/l #	54
37) Ethyl Acetate	6.14	43	2866	1.656	ug/l #	46
38) Carbon Tetrachloride	7.04	117	98865	4.338	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	179465	78.408	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1247	3.650	ug/l #	48
95) Naphthalene	16.13	128	5965	3.727	ug/l #	96

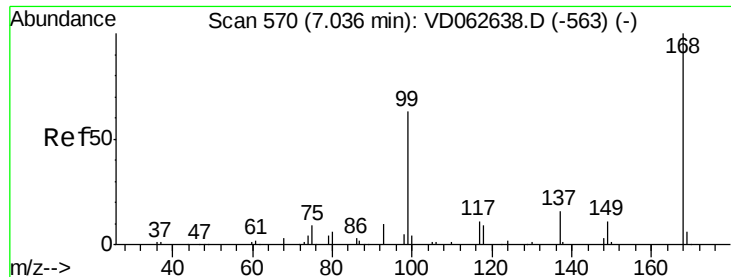
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

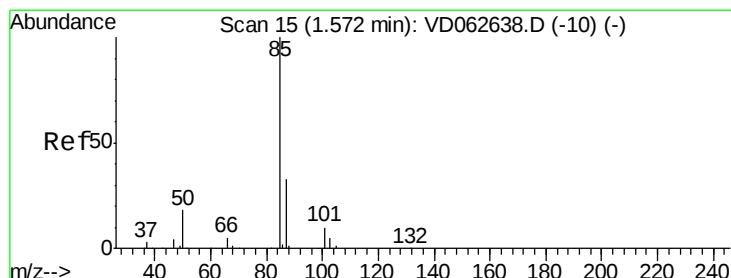
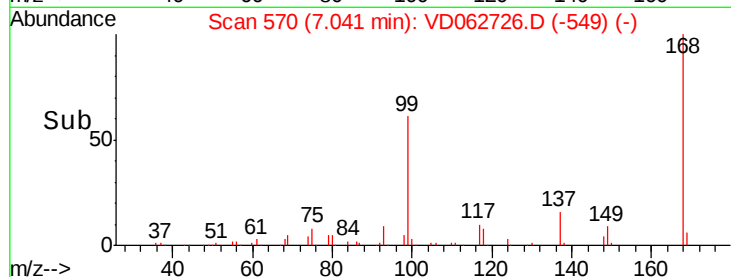
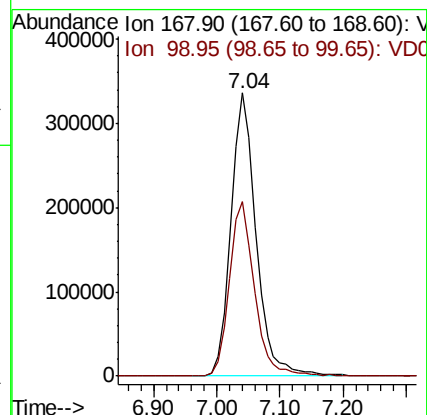
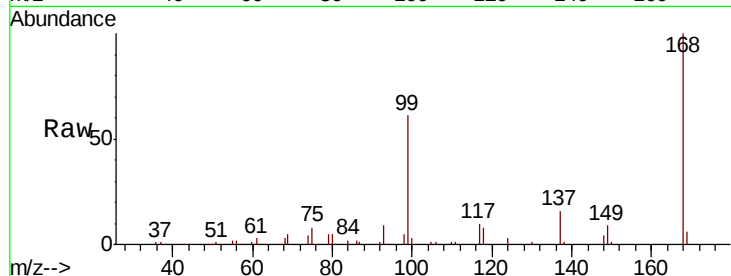
JC-02-061419-B

Tot Ion:168 Resp: 923873

Ion Ratio Lower Upper

168 100

99 61.5 51.4 77.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062726.D

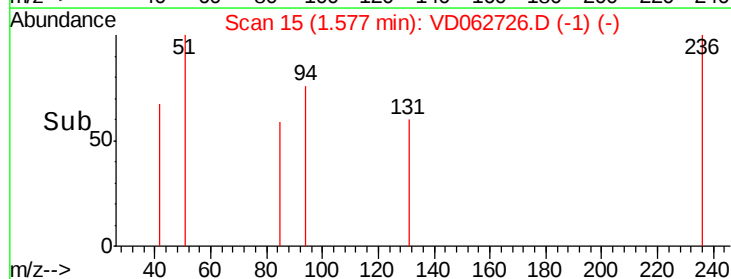
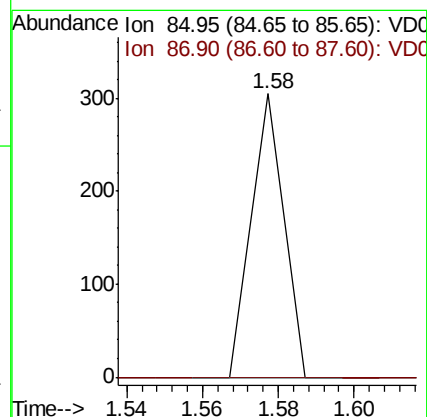
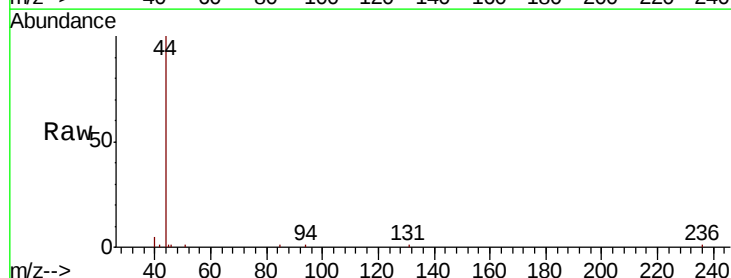
Acq: 17 Jun 2019 15:02

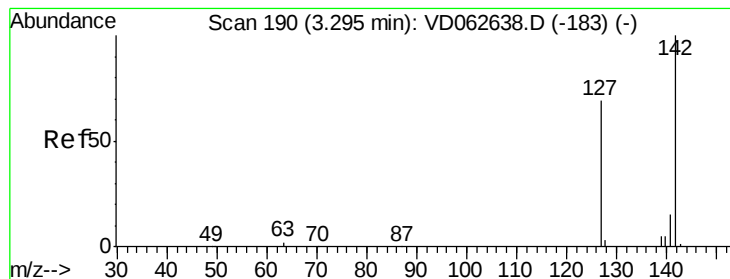
Tgt Ion: 85 Resp: 180

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#





#10

Methyl Iodide

Concen: 4.025 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-B

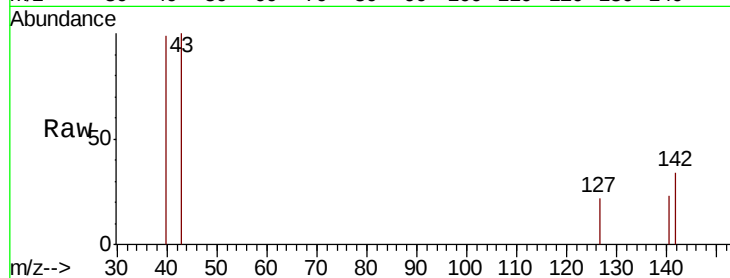
Tot Ion:142 Resp: 290

Ion Ratio Lower Upper

142 100

127 65.0 55.2 82.8

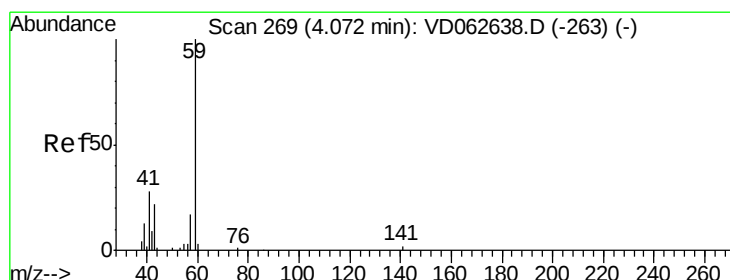
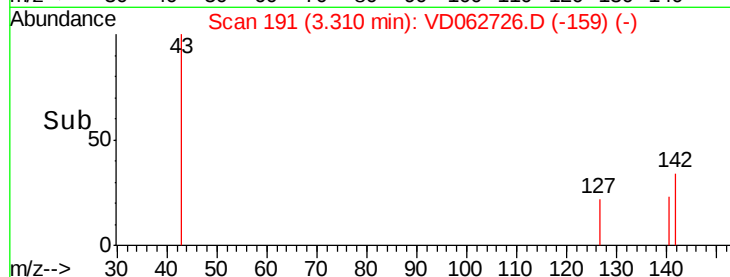
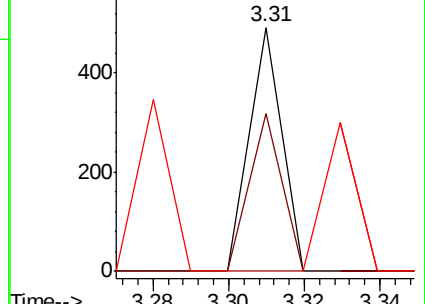
141 0.0 12.1 18.1#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



#11

Tert butyl alcohol

Concen: 1.425 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD062726.D

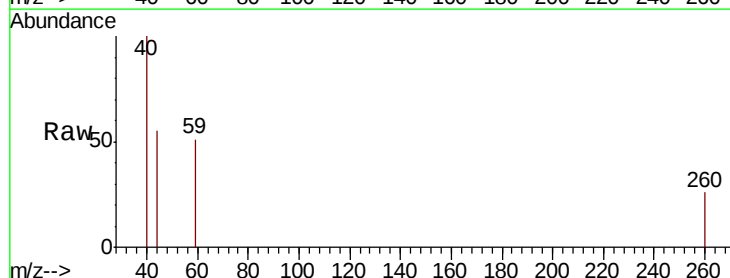
Acq: 17 Jun 2019 15:02

Tgt Ion: 59 Resp: 781

Ion Ratio Lower Upper

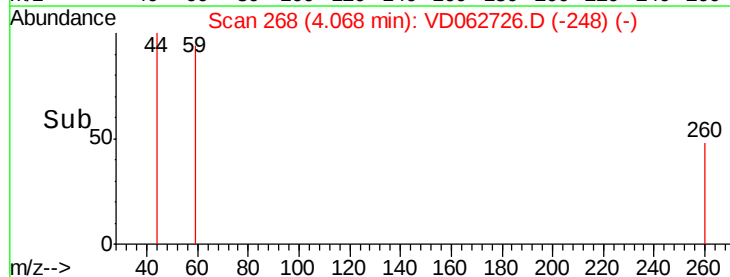
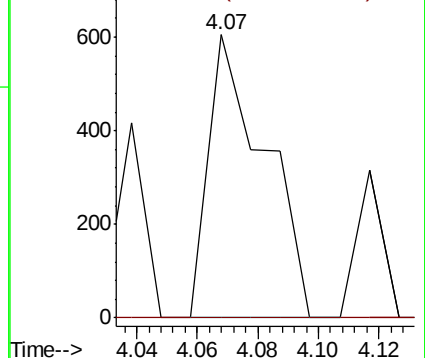
59 100

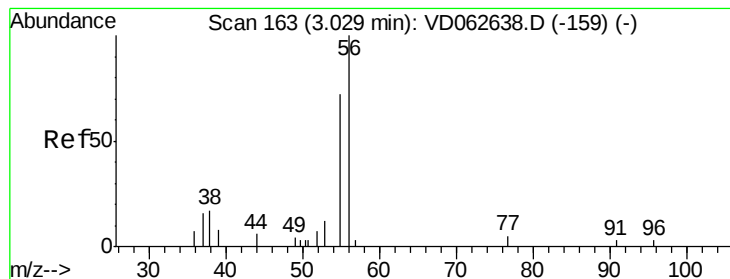
57 0.0 13.7 20.5#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V





#13

Acrolein

Concen: 2.042 ug/l

RT: 2.88 min Scan# 147

Delta R.T. -0.15 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

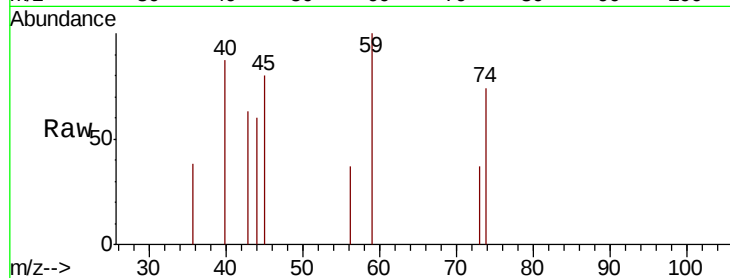
JC-02-061419-B

Tot Ion: 56 Resp: 360

Ion Ratio Lower Upper

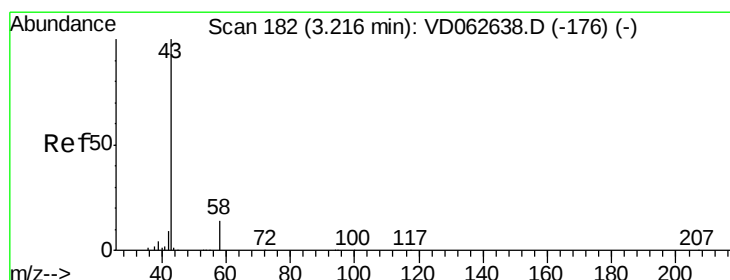
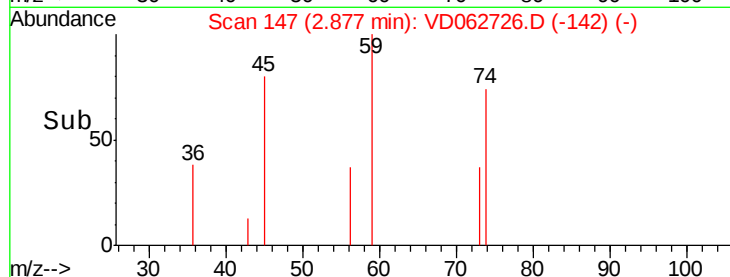
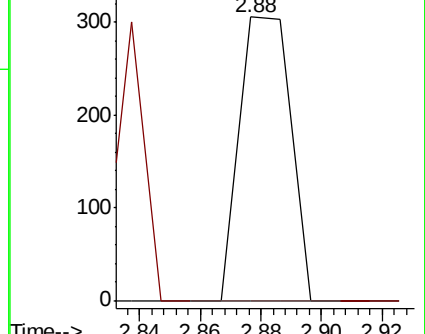
56 100

55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 50.410 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD062726.D

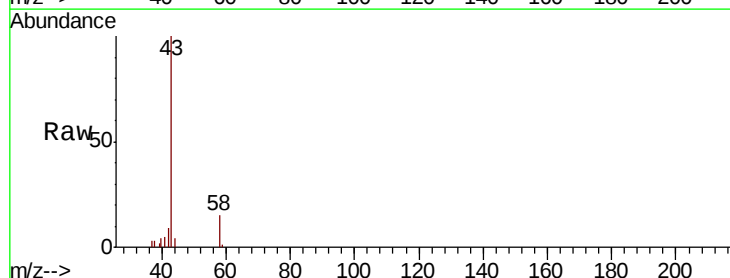
Acq: 17 Jun 2019 15:02

Tgt Ion: 43 Resp: 123061

Ion Ratio Lower Upper

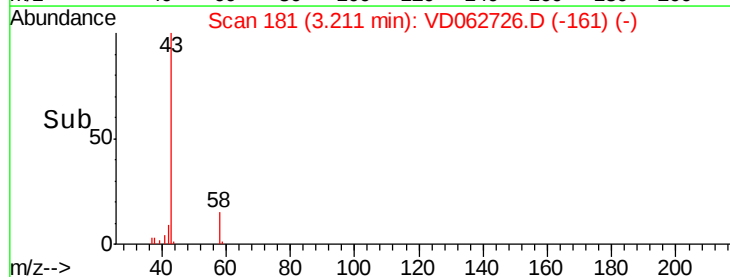
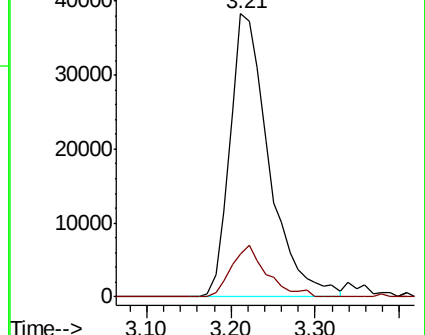
43 100

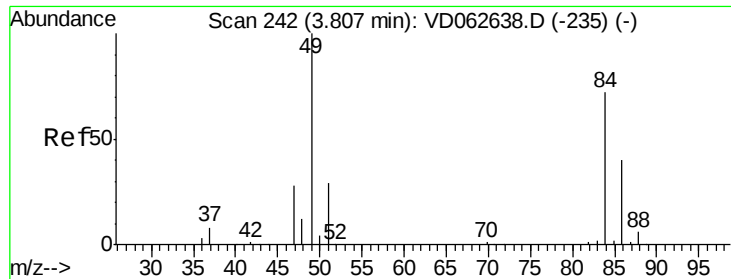
58 15.3 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

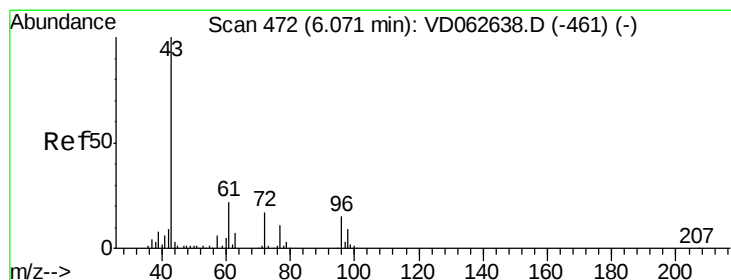
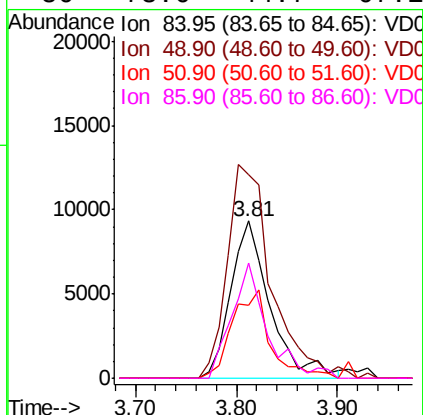
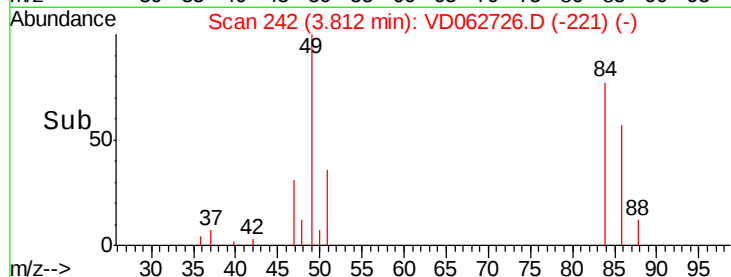
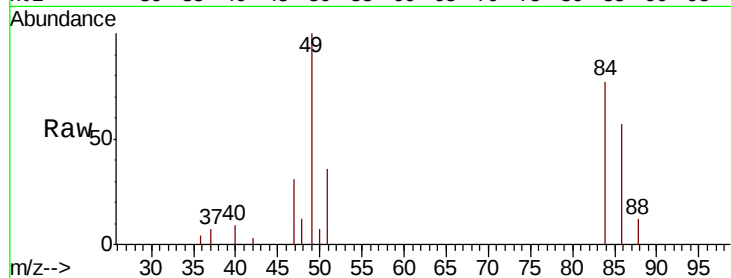




#20
Methylene Chloride
Concen: 2.331 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062726.D
Acq: 17 Jun 2019 15:02

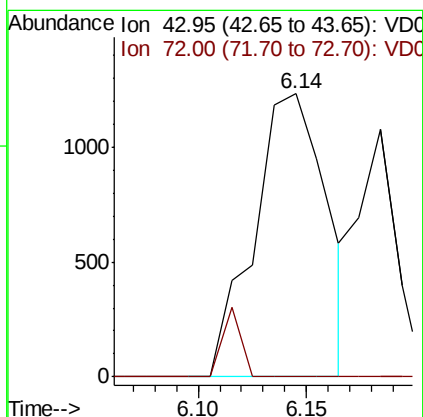
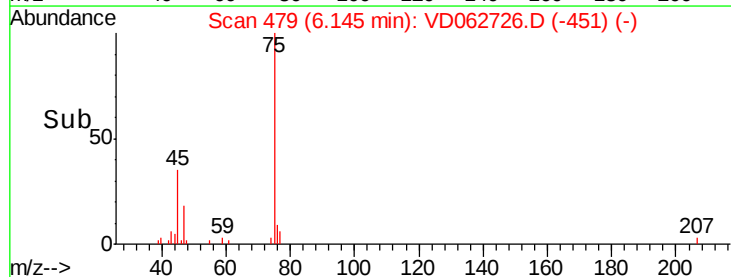
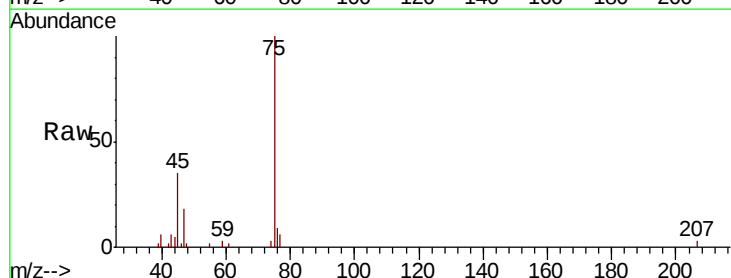
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-B

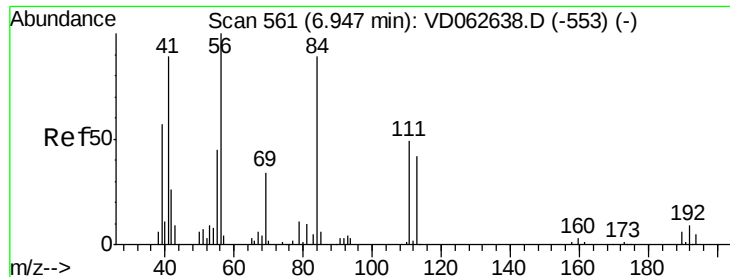
Tot Ion: 84 Resp: 25380
Ion Ratio Lower Upper
84 100
49 129.2 111.2 166.8
51 46.6 31.9 47.9
86 73.6 44.7 67.1#



#25
2-Butanone
Concen: 1.203 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.07 min
Lab File: VD062726.D
Acq: 17 Jun 2019 15:02

Tgt Ion: 43 Resp: 2866
Ion Ratio Lower Upper
43 100
72 0.0 13.5 20.3#

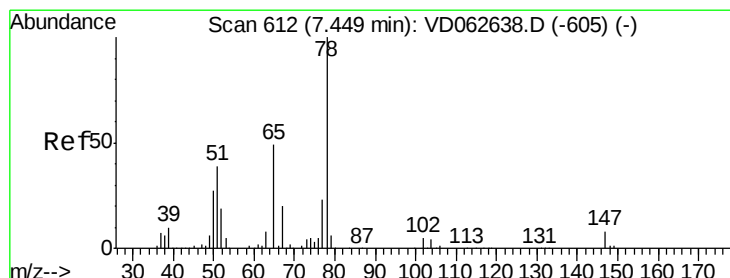
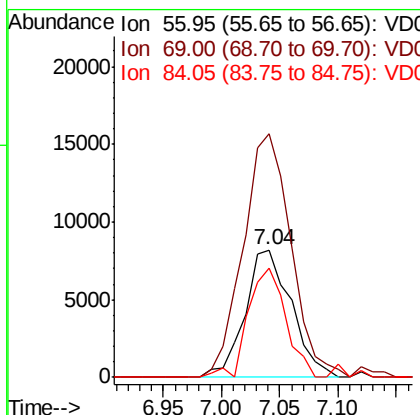
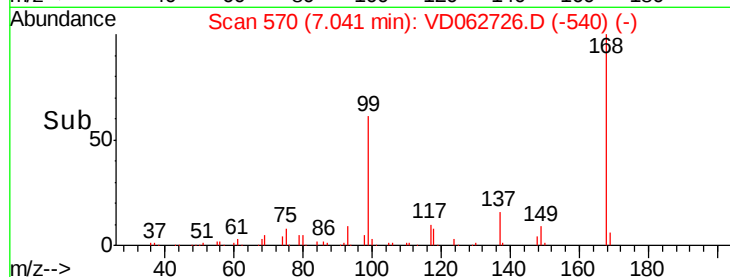
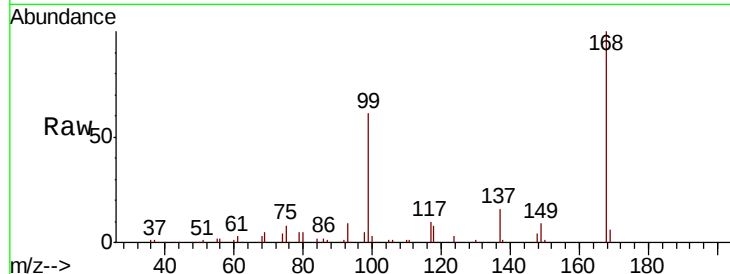




#31
Cyclohexane
Concen: 2.141 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062726.D
Acq: 17 Jun 2019 15:02

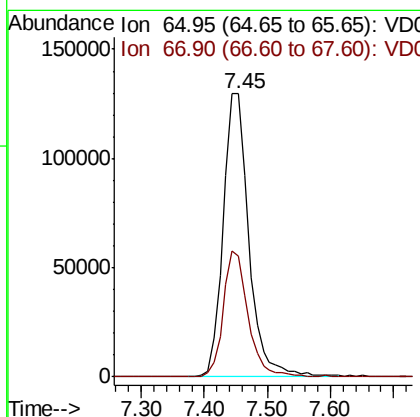
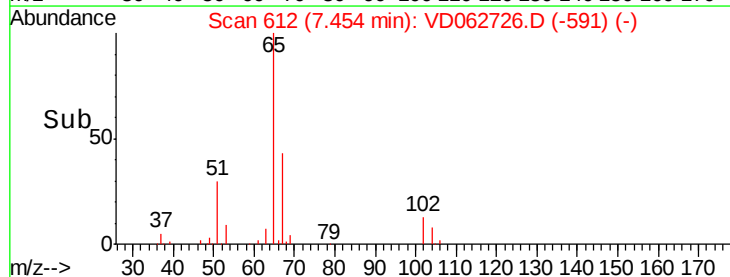
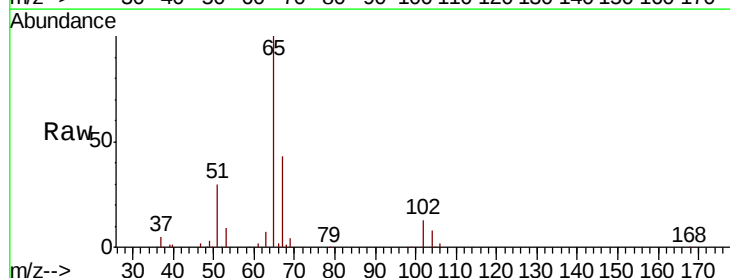
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-B

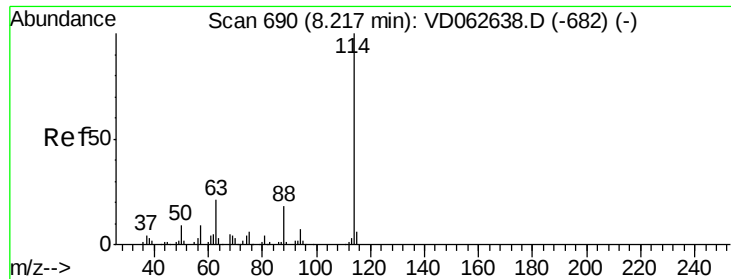
Tot Ion: 56 Resp: 22530
Ion Ratio Lower Upper
56 100
69 191.1 26.8 40.2#
84 85.5 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 27.504 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062726.D
Acq: 17 Jun 2019 15:02

Tgt Ion: 65 Resp: 366673
Ion Ratio Lower Upper
65 100
67 42.5 0.0 81.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-B

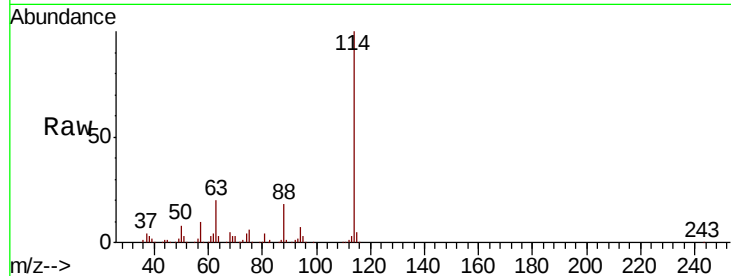
Tot Ion:114 Resp: 1259849

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

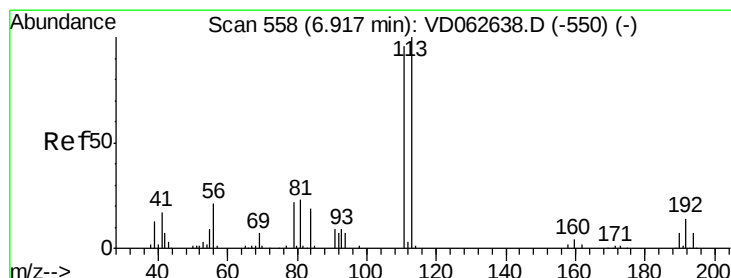
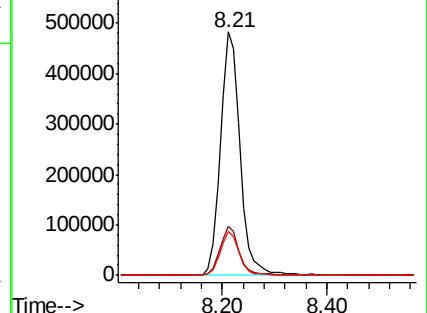
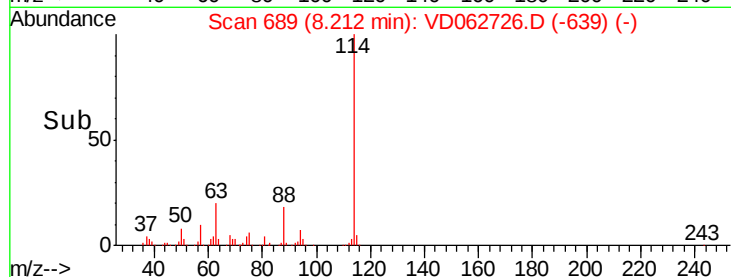
88 18.2 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 28.819 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

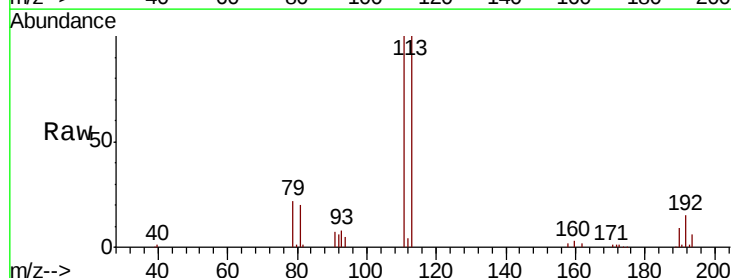
Tgt Ion:113 Resp: 382906

Ion Ratio Lower Upper

113 100

111 100.5 76.4 114.6

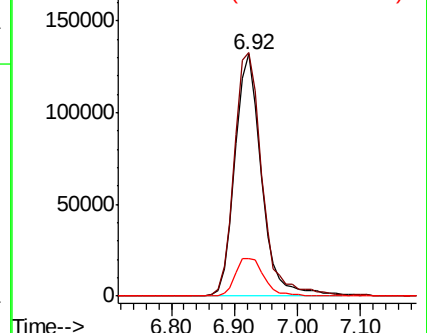
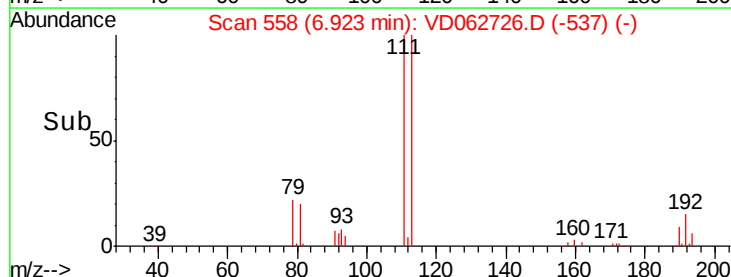
192 15.4 11.4 17.0

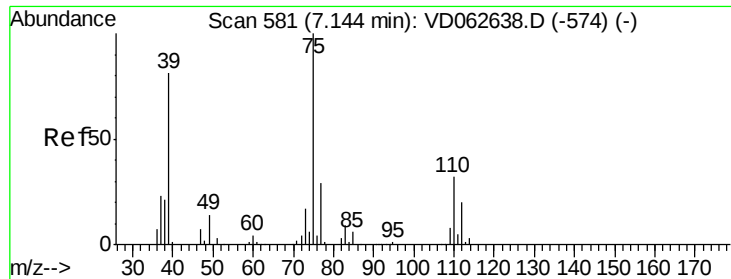


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

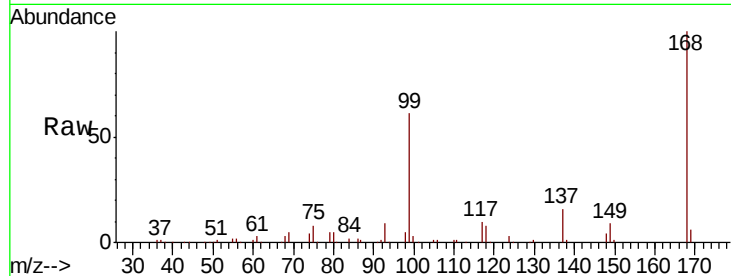




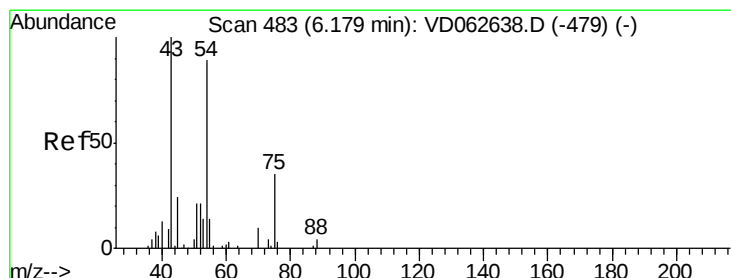
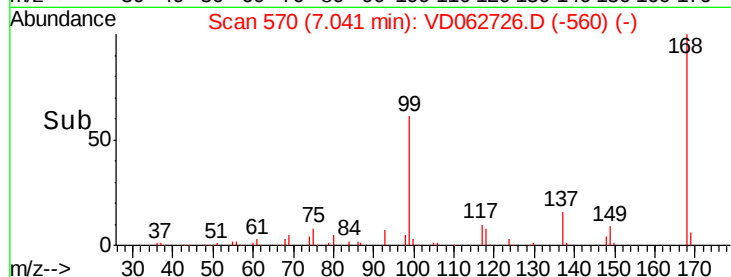
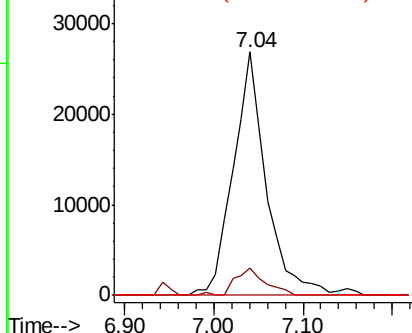
#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD062726.D
 Acq: 17 Jun 2019 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-B

Tot Ion: 75 Resp: 68992
 Ion Ratio Lower Upper
 75 100
 110 11.0 15.9 47.7#
 77 0.0 23.3 34.9#

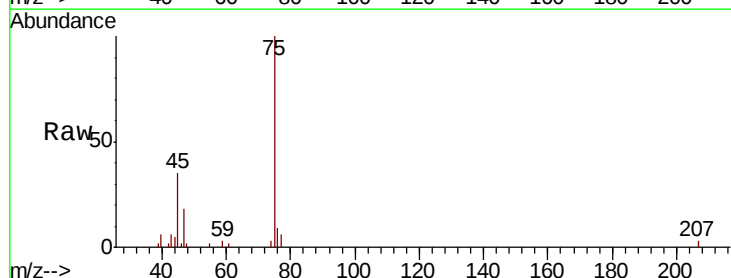


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

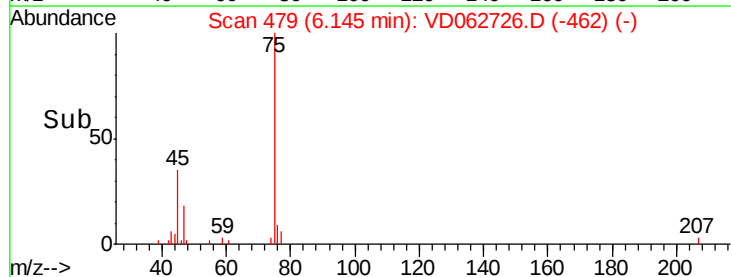
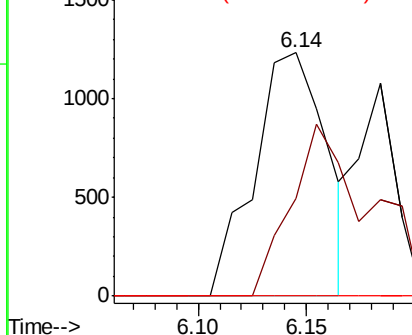


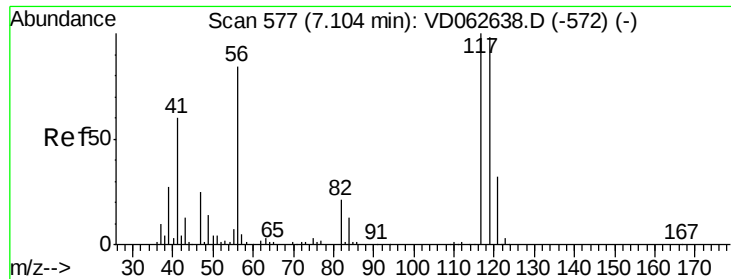
#37
 Ethyl Acetate
 Concen: 1.656 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VD062726.D
 Acq: 17 Jun 2019 15:02

Tgt Ion: 43 Resp: 2866
 Ion Ratio Lower Upper
 43 100
 61 40.2 8.7 13.1#
 70 0.0 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

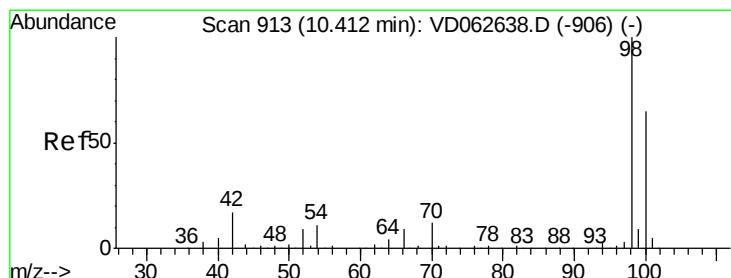
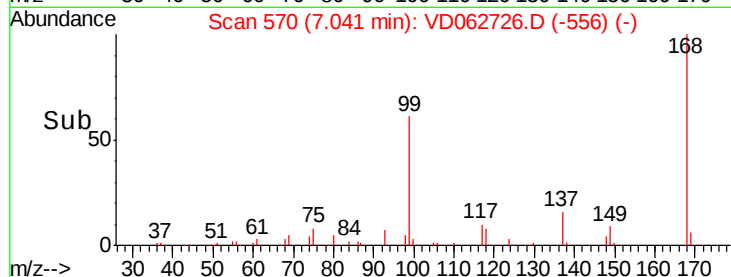
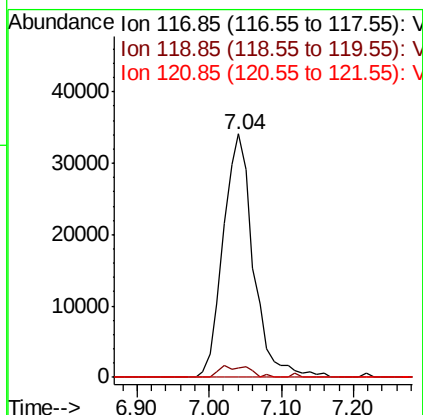
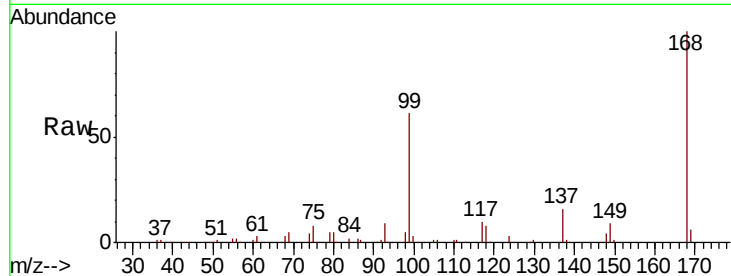




#38
Carbon Tetrachloride
Concen: 4.338 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD062726.D
Acq: 17 Jun 2019 15:02

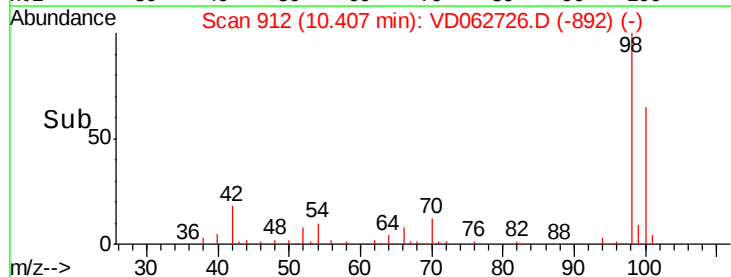
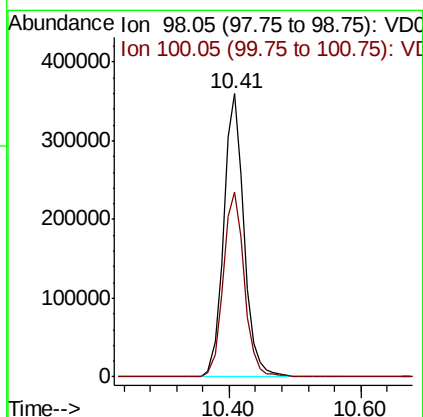
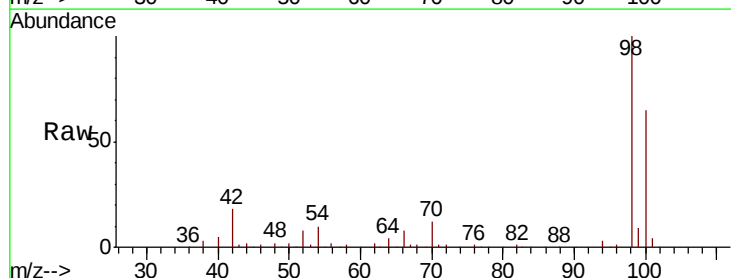
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-B

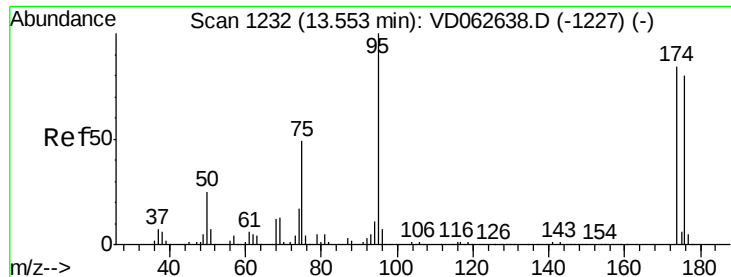
Tot Ion:117 Resp: 98865
Ion Ratio Lower Upper
117 100
119 4.0 73.5 110.3#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 27.800 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062726.D
Acq: 17 Jun 2019 15:02

Tgt Ion: 98 Resp: 777043
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 27.877 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-B

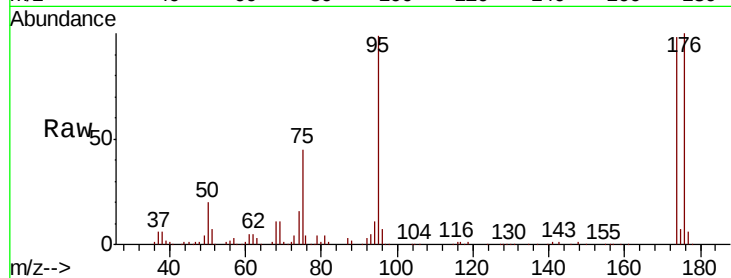
Tot Ion: 95 Resp: 363515

Ion Ratio Lower Upper

95 100

174 99.1 0.0 167.0

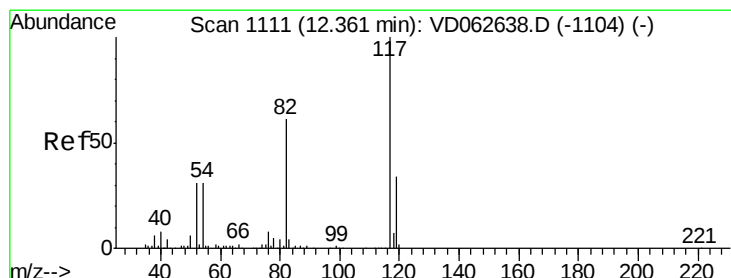
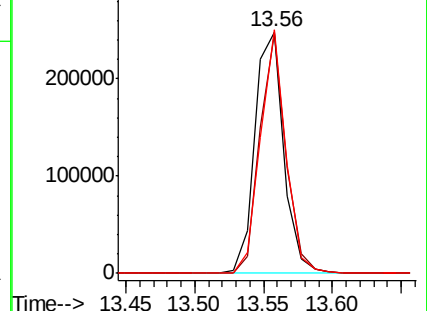
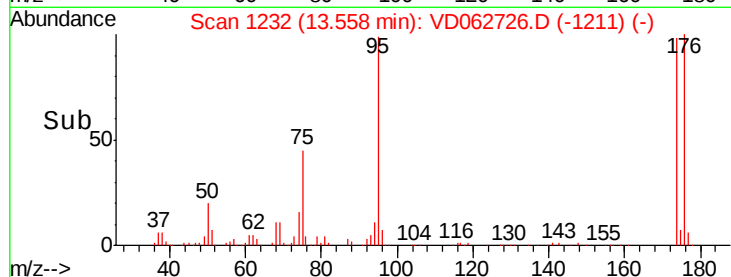
176 100.9 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

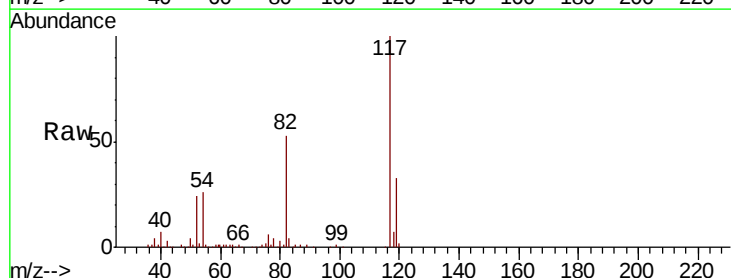
Tgt Ion: 117 Resp: 1069483

Ion Ratio Lower Upper

117 100

82 52.9 48.7 73.1

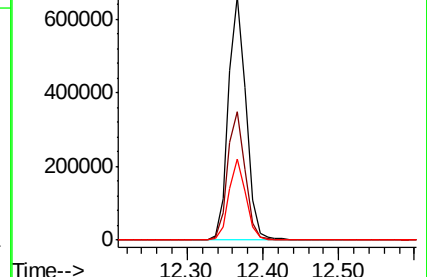
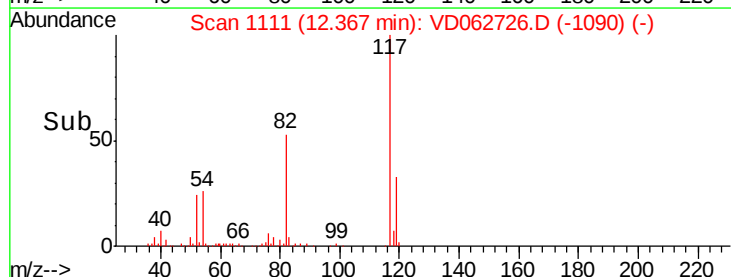
119 33.4 27.0 40.6

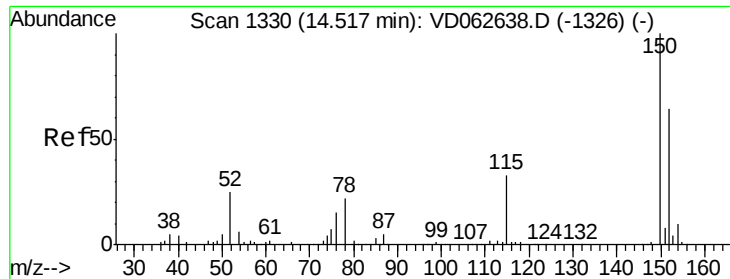


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-B

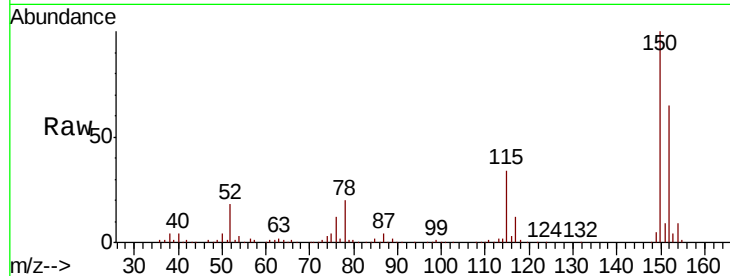
Tot Ion:152 Resp: 552321

Ion Ratio Lower Upper

152 100

115 52.3 30.1 90.5

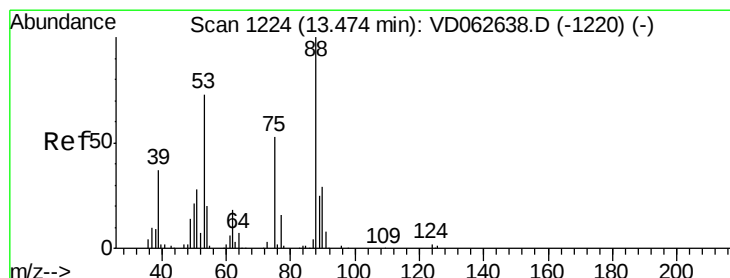
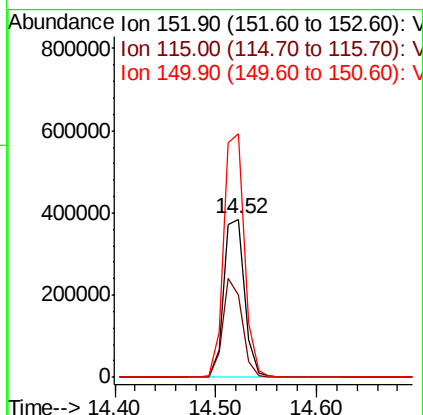
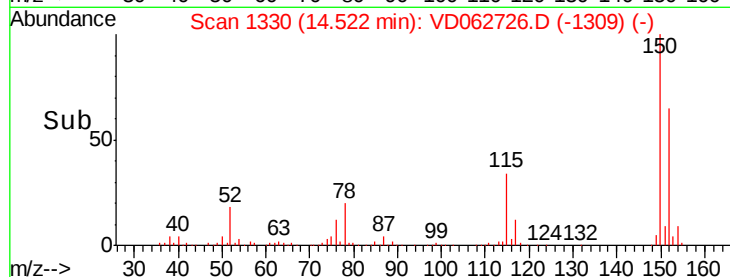
150 153.8 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 78.408 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062726.D

Acq: 17 Jun 2019 15:02

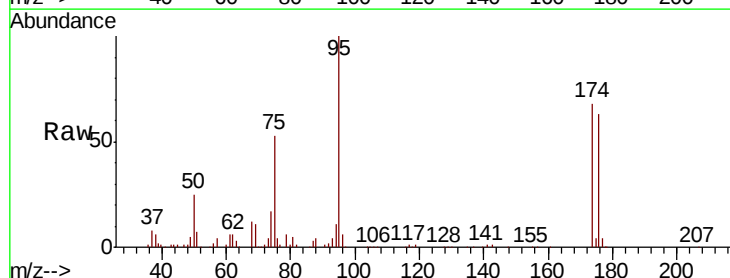
Tgt Ion: 75 Resp: 179465

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

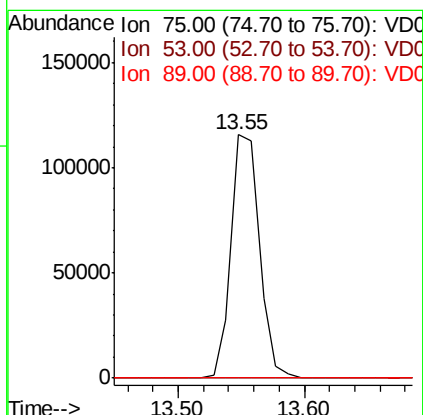
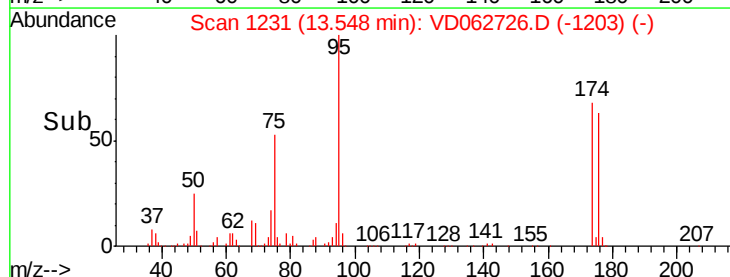
89 0.0 37.0 55.6#

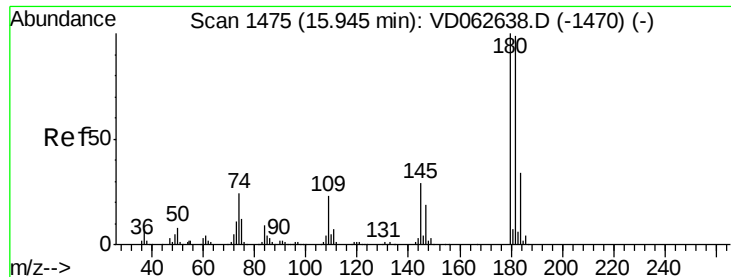


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

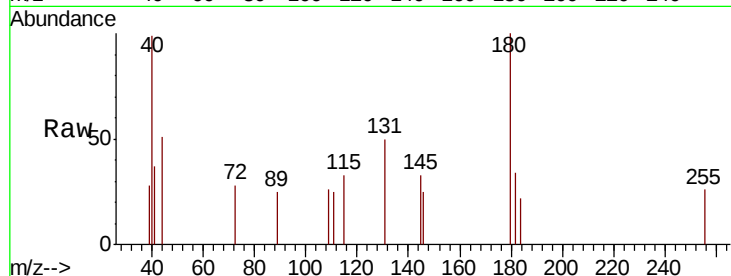




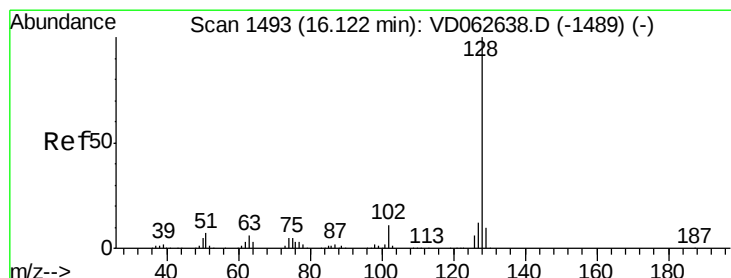
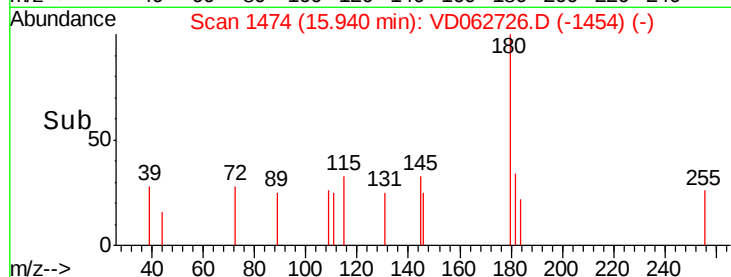
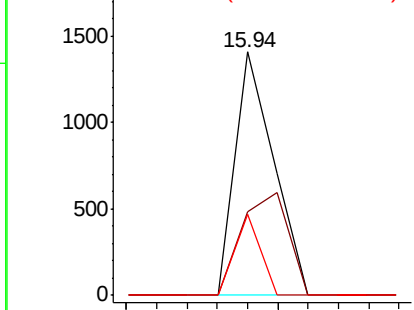
#93
 1,2,4-Trichlorobenzene
 Concen: 3.650 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062726.D
 Acq: 17 Jun 2019 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-B

Tot Ion:180 Resp: 1247
 Ion Ratio Lower Upper
 180 100
 182 34.3 49.4 148.2#
 145 33.3 14.5 43.6

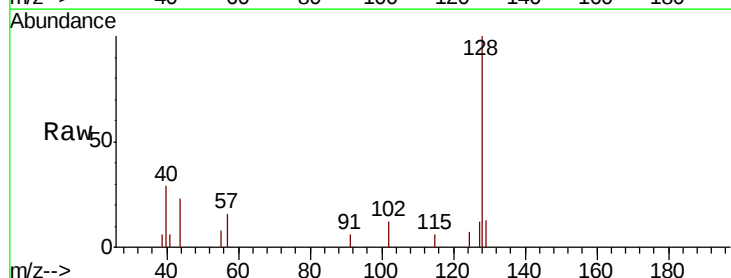


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.727 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062726.D
 Acq: 17 Jun 2019 15:02

Tgt Ion:128 Resp: 5965
 Ion Ratio Lower Upper
 128 100
 127 11.9 9.7 14.5
 129 13.0 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

